

ABSTRACT OF THE INVENTION

The invention is a colorless glass composition having a base glass composition, comprising, in weight percentage, from about 0.01 to 0.03 wt% of Fe_2O_3 ; about 20-30% reduction ($\%\text{Fe}^{+2}$) and about 0.05 to 1 wt% of TiO_2 , the glass having a visible light
5 transmission of at least 89%, a ultraviolet radiation transmittance of no more than 81%; a solar direct transmission of no more than 90%; a dominant wavelength from 600 nm to 490 nm; and a purity of less than 2%.

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